

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/541,354
Source: TFWP
Date Processed by STIC: 10/11/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/541,354

CRF Edit Date: 10/11/2006
Edited by: DA

___ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

___ **Corrected the SEQ ID NO. Sequence numbers edited were:**

___ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

 Deleted:  ___ invalid beginning/end-of-file text ; ___ page numbers

___ **Inserted mandatory headings/numeric identifiers, specifically:**

___ **Moved responses to same line as heading/numeric identifier, specifically:**

___ **Other:**



IFWP

RAW SEQUENCE LISTING

DATE: 10/11/2006

PATENT APPLICATION: US/10/541,354

TIME: 14:25:36

Input Set : A:\pro.da.txt

Output Set: N:\CRF4\10112006\J541354.raw

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3 <110> APPLICANT: alcedo biotech GmbH
5 <120> TITLE OF INVENTION: Use of HMGB, HMGN, HMGA proteins
7 <130> FILE REFERENCE: A 10009 PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/541,354
C--> 9 <141> CURRENT FILING DATE: 2005-07-05
9 <160> NUMBER OF SEQ ID NOS: 64
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 107
15 <212> TYPE: PRT
16 <213> ORGANISM: Homo sapiens
18 <400> SEQUENCE: 1
20 Met Ser Glu Ser Ser Ser Lys Ser Ser Gln Pro Leu Ala Ser Lys Gln
21 1 5 10 15
24 Glu Lys Asp Gly Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys Gln
25 20 25 30
28 Pro Pro Val Ser Pro Gly Thr Ala Leu Val Gly Ser Gln Lys Glu Pro
29 35 40 45
32 Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly Ser
33 50 55 60
36 Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr Thr Thr Pro Gly
37 65 70 75 80
40 Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu Lys Glu Glu Glu Glu
41 85 90 95
44 Gly Ile Ser Gln Glu Ser Ser Glu Glu Glu Gln
45 100 105
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 96
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 2
55 Met Ser Glu Ser Ser Ser Lys Ser Ser Gln Pro Leu Ala Ser Lys Gln
56 1 5 10 15
59 Glu Lys Asp Gly Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys Gln
60 20 25 30
63 Pro Pro Lys Glu Pro Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly
64 35 40 45
67 Arg Pro Lys Gly Ser Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr
68 50 55 60
71 Thr Thr Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu
72 65 70 75 80
75 Lys Glu Glu Glu Glu Gly Ile Ser Gln Glu Ser Ser Glu Glu Glu Gln
76 85 90 95

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DATE: 10/11/2006

PATENT APPLICATION: US/10/541,354

TIME: 14:25:36

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10112006\J541354.raw

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79 <210> SEQ ID NO: 3
80 <211> LENGTH: 109
81 <212> TYPE: PRT
82 <213> ORGANISM: Homo sapiens
84 <400> SEQUENCE: 3
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87 1 5 10 15
90 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
91 20 25 30
94 Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
95 35 40 45
98 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
99 50 55 60
102 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
103 65 70 75 80
106 Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Glu Glu
107 85 90 95
110 Thr Glu Glu Thr Ser Ser Gln Glu Ser Ala Glu Glu Asp
111 100 105
114 <210> SEQ ID NO: 4
115 <211> LENGTH: 83
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 4
121 Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
122 1 5 10 15
125 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
126 20 25 30
129 Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
130 35 40 45
133 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
134 50 55 60
137 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
138 65 70 75 80
141 Arg Lys Trp
145 <210> SEQ ID NO: 5
146 <211> LENGTH: 90
147 <212> TYPE: PRT
148 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 5
152 Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
153 1 5 10 15
156 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
157 20 25 30
160 Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
161 35 40 45
164 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
165 50 55 60
168 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro

```

RAW SEQUENCE LISTING

DATE: 10/11/2006

PATENT APPLICATION: US/10/541,354

TIME: 14:25:36

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10112006\J541354.raw

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169 65          70          75          80
172 Arg Lys Trp Glu Glu Phe Tyr Ile Ala Ala
173          85          90
176 <210> SEQ ID NO: 6
177 <211> LENGTH: 96
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
181 <400> SEQUENCE: 6
183 Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
184 1          5          10          15
187 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
188          20          25          30
191 Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
192          35          40          45
195 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
196          50          55          60
199 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
200 65          70          75          80
203 Arg Lys Trp Pro Thr Ile Ala Leu Cys Thr His Trp Ile Asn Ile Cys
204          85          90          95
207 <210> SEQ ID NO: 7
208 <211> LENGTH: 215
209 <212> TYPE: PRT
210 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 7
214 Met Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr
215 1          5          10          15
218 Ala Phe Phe Val Gln Thr Cys Arg Glu His Lys Lys Lys His Pro
219          20          25          30
222 Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg
223          35          40          45
226 Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala
227          50          55          60
230 Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro
231 65          70          75          80
234 Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys
235          85          90          95
238 Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys
239          100          105          110
242 Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys
243          115          120          125
246 Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr
247          130          135          140
250 Glu Lys Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala
251 145          150          155          160
254 Ala Tyr Arg Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val
255          165          170          175
258 Lys Ala Glu Lys Ser Lys Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu
259          180          185          190

```

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DATE: 10/11/2006

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TIME: 14:25:36

Input Set : A:\pto.da.txt

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262 Asp Glu Glu Asp Glu Glu Glu Glu Glu Asp Glu Glu Asp Glu Asp Glu
263      195      200      205
266 Glu Glu Asp Asp Asp Asp Glu
267      210      215
270 <210> SEQ ID NO: 8
271 <211> LENGTH: 147
272 <212> TYPE: PRT
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 8
277 Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
278 1      5      10      15
281 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
282      20      25      30
285 Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
286      35      40      45
289 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
290      50      55      60
293 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
294 65      70      75      80
297 Arg Lys Trp Ala Gly Val Gln Trp Tyr Asn Leu Gly Ser Leu Gln Pro
298      85      90      95
301 Pro Pro Pro Arg Phe Lys Gln Phe Ser Cys Leu Arg Leu Leu Ser Ser
302      100      105      110
305 Trp Asp Tyr Arg His Pro Pro Pro His Pro Ala Asn Phe Cys Ile Phe
306      115      120      125
309 Ser Arg Asp Arg Val Ser Pro Cys Trp Pro Gly Trp Ser Arg Thr Pro
310      130      135      140
313 Asp Leu Arg
314 145
317 <210> SEQ ID NO: 9
318 <211> LENGTH: 106
319 <212> TYPE: PRT
320 <213> ORGANISM: Homo sapiens
322 <400> SEQUENCE: 9
324 Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
325 1      5      10      15
328 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
329      20      25      30
332 Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
333      35      40      45
336 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
337      50      55      60
340 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
341 65      70      75      80
344 Arg Lys Trp Asp Asn Leu Leu Pro Arg Thr Ser Ser Lys Lys Lys Thr
345      85      90      95
348 Ser Leu Gly Asn Ser Thr Lys Arg Ser His
349      100      105
352 <210> SEQ ID NO: 10

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RAW SEQUENCE LISTING

DATE: 10/11/2006

PATENT APPLICATION: US/10/541,354

TIME: 14:25:36

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10112006\J541354.raw

353 <211> LENGTH: 92

354 <212> TYPE: PRT

355 <213> ORGANISM: Homo sapiens

357 <400> SEQUENCE: 10

359 Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln

360 1 5 10 15

363 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro

364 20 25 30

367 Arg Lys Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro

368 35 40 45

371 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala

372 50 55 60

375 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro

376 65 70 75 80

379 Arg Lys Trp Trp Leu Leu Met Lys Ser Pro Cys Trp

380 85 90

383 <210> SEQ ID NO: 11

384 <211> LENGTH: 96

385 <212> TYPE: PRT

386 <213> ORGANISM: Homo sapiens

388 <400> SEQUENCE: 11

390 Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln

391 1 5 10 15

394 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro

395 20 25 30

398 Arg Lys Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro

399 35 40 45

402 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala

403 50 55 60

406 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro

407 65 70 75 80

410 Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Tyr Ser

411 85 90 95

414 <210> SEQ ID NO: 12

415 <211> LENGTH: 118

416 <212> TYPE: PRT

417 <213> ORGANISM: Homo sapiens

419 <400> SEQUENCE: 12

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422 1 5 10 15

425 Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro

426 20 25 30

429 Arg Lys Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro

430 35 40 45

433 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala

434 50 55 60

437 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro

438 65 70 75 80

441 Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Val Asn

VERIFICATION SUMMARY

DATE: 10/11/2006

PATENT APPLICATION: US/10/541,354

TIME: 14:25:37

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10112006\J541354.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing,
for reference only**



IFWP

RAW SEQUENCE LISTING

DATE: 10/05/2006

PATENT APPLICATION: US/10/541,354

TIME: 09:51:45

Input Set: A:\PCT_EP_04_00030_sequence_listing.txt

Output Set: N:\CRF4\10052006\J541354.raw

3 <110> APPLICANT: alcedo biotech GmbH
 5 <120> TITLE OF INVENTION: Use of HMGB, HMGN, HMGA proteins
 7 <130> FILE REFERENCE: A 10009 PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/541,354
 C--> 9 <141> CURRENT FILING DATE: 2005-07-05
 9 <160> NUMBER OF SEQ ID NOS: 64
 11 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

Does Not Comply
 Corrected Diskette Needed
CP3-1

1663 <210> SEQ ID NO: 64
 1664 <211> LENGTH: 678
 1665 <212> TYPE: DNA
 1666 <213> ORGANISM: Homo sapiens
 1668 <400> SEQUENCE: 64
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 1671 gccccagcgc ctccagaagag aggacgcggc cgcgccagga agcagcagca agaaccaacc 120
 1673 ggtgagccct ctccctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180
 1675 tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggagacct 240
 1677 aggaaatgga atactctgga gcagtgaat gtgtgttcca agcccatcat ggagcggatt 300
 1679 ctccgagcca ccgggaaggc ctatcatcct cactgtttca cctgcgtgat gtgccaccgc 360
 1681 agcctggatg ggatcccatt cactgtggat gctggcgggc tcattcactg cattgaggac 420
 1683 ttccacaaga aatttgcccc gcggtgttct gtgtgcaagg agcctattat gccagccccg 480
 1685 ggccaggagg agactgtccg tattgtggct ttggatcgag atttccatgt tcactgctac 540
 1687 cgatgcgagg attgcggtgg tctcctgtct gaaggagata accaaggctg ctacccttg 600
 1689 gatgggcaca tcctctgcaa gacctgcaac tctgcccgca tcagggtgtt gaccgccaag 660
 1691 gcgagcactg acctttag 678

E--> 1697 2

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VERIFICATION SUMMARY

DATE: 10/05/2006

PATENT APPLICATION: US/10/541,354

TIME: 09:51:46

Input Set : A:\PCT_EP_04_00030_sequence_listing.txt

Output Set: N:\CRF4\10052006\J541354.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1697 M:254 E: No. of Bases conflict, this line has no nucleotides.